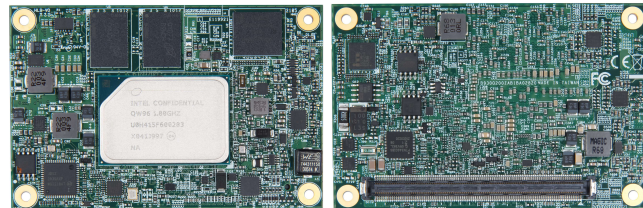


# EHLMA-IM-A

With Intel® Atom® x6000 series SoC based on Type 10 mini COM-Express® module with LPDDR4 SDRAM, provides LVDS, and high quantity HDMI, eDP, DP with 4K resolution.. And supports PCIe 3.0 x 1, USB 3.2, USB 2.0 and 2 x SATA III interface.

## Features

- Intel® Atom® Processor x6000 Series (Elkhart Lake)
- On board LPDDR4 DRAM up to 8GB
- On board eMMC up to 64GB
- Low Power Consumption (4.5 to 12W), 4K Resolution
- Support wide temperature -40°C ~ 85°C
- Support Intel® TCC/TSN with 2.5GbE



## Specifications

Processor System	Processor	Intel® Pentium®	Intel® Celeron®	Intel® Atom®	Intel® Atom®	Intel® Atom®	Intel® Atom®
		J6426	N6211	x6211E	x6413E	x6425E	x6425RE
	Core	4	2	2	4	4	4
	Frequency	2.0 GHz	1.2 GHz	1.3 GHz	1.5 GHz	2.0 GHz	1.9 GHz
	Turbo	3.0 GHz	3.0 GHz	3.0 GHz	3.0 GHz	3.0 GHz	N/A
	Cache	1.5MB	1.5MB	1.5MB	1.5MB	1.5MB	1.5MB
	Processor Graphics	Intel® UHD Graphics for 10th Gen Intel® Processors					
	Graphics Max Dynamic Frequency	850 MHz	750 MHz	750 MHz	750 MHz	750 MHz	N/A
	HW Decoding	H.264, MPEG2, V1-1/WMV9, H.265/HEVC, VP8/9, JPEG/MPEG					
Processor TDP	10W	6.5W	6W	9W	12W	12W	
Memory/eMMC	Technology	On board LPDDR4 DRAM up to 8GB					
	In-Band ECC	N/A	N/A	Support	Support	Support	Support
	On Board LPDDR4	8GB 3200 MT/s	4GB 3200 MT/s	4GB 3200 MT/s	8GB 3200 MT/s	8GB 3200 MT/s	8GB 4267 MT/s
	On Board eMMC	32GB	16GB	16GB	16GB	32GB	16GB
Display	HDMI	up to 4096x 2160 @ 60Hz					
	Display Port	up to 4096x 2160 @ 60Hz					
	LVDS	Dual Channel, up to 2560x 1600 @ 60Hz					
	eDP	up to 4096x 2160 @ 60Hz					
	VGA	N/A					
Expansion Slot	PEG	N/A					
	PCIe	4 x PCIe 3.0 x 1					
Ethernet	Interface	2.5 GbE with GPHY215					
Audio	Interface	Intel HD Audio					
Serial Bus	SMBus	Yes, Baud Rate: 100KH					
	I2C	Yes, Baud Rate: 400KHz					
	UART	2 Ports (TX/RX )					
I/O	SATA	2 x SATA III					
	USB3.2	2 Ports					
	USB2.0	6 Ports					
	GPIO	8 x GPIO					
	SPI Bus	For BIOS/TPM					
	Watchdog	Support					
	TPM	TPM 2.0, Intel®AES					
Power	Type & Voltage	4.75V to 20V, AT/ATX Mode					
Environment	Operating Temperature	0°C to 60°C					
	Storage Temperature	-40°C to 85°C (Selected SKU)					
	Storage Temperature	-40°C to 85°C					
OS	Windows	Win 10 IoT Enterprise					
	Linux	Ubuntu , Yocto					
Mechanical	Dimension	84 x 55 mm					

## Block Diagram

